

# NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

## FACT SHEET

(pursuant to NAC 445A.236)

**Permittee Name:** PolyOne Engineered Films Group  
PolyOne Corporation  
33587 Walker Road  
Avon Lake, OH 44012

**Permit Number:** NEV90033

**Location** PolyOne Yerington Plant  
270 N Highway 95A  
Wabuska, Lyon County, Nevada  
  
Township 15N, Range 25E, Section 21 and 22  
Latitude 39° 08' 47" N  
Longitude 119° 10' 47" W

**Flow** 30-Day Average Flow: 10,000 gallons per day  
Daily Maximum Flow 14,000 gallons per day

### **Well Head Protection**

The facility is not within a 2-, 5-, or 10-year wellhead protection program capture zone. The facility is within the 7000-foot buffer zone for three domestic water supply wells, which are completed in deeper strata. Raw water from these wells is not potable due to high Total Dissolved Solids (TDS), and is treated to potable standards using reverse osmosis.

### **General:**

PolyOne Engineered Films Group Yerington facility is a manufacturer of flexible polyvinyl chloride (PVC) and extruded polypropylene plastic films and sheets, used in the manufacturer of various business, medical and industrial supplies. The facility was originally constructed in 1984, and was operated by O'Sullivan Plastics Corporation. During operation, the facility discharges non-contact cooling water and bleed water from a reverse osmosis water treatment unit to a synthetic lined two-pond evaporation pond system. The first pond, known as the "Small Pond", receives discharge from the facility at Outfall 001. The second pond, known as the "Large Pond", receives overflow from the Small Pond as required. Outfall 002 is discharge from the Small Pond to the Large Pond. During operation, the ponds maintain a minimum of two (2) feet of freeboard. The Small Pond volume at two feet freeboard is approximately 1,077,870 gallons; the Large Pond volume is approximately 1,827,958 gallons.

The facility is not currently in operation, and has had no process flow to the on-site evaporation ponds since Second Quarter, 2003. The facility maintains approximately 42 inches of water from an

on-site well in the ponds for use as fire protection water. There is currently one monitoring well, Well #1, up-gradient of the pond area. NDEP will require the installation of an additional monitor well down-gradient of the lined pond system area once manufacturing operations resume.

The applicant seeks renewal of permit #NEV90033 for the manufacturing facility meeting the Nevada zero-discharge standard of performance.

**Receiving Water Characteristics:**

Groundwater immediately below the site is encountered at approximately 10 feet. Groundwater gradient is reported to be northeast. The water is non-potable, and is impacted by the nearby Wabuska geothermal area. There is one monitor well installed upgradient of the pond area. TDS levels in the near surface groundwater range from approximately 2150 to 11,000 mg/l. As stated, water for drinking and domestic use is pumped from a lower aquifer encountered at approximately 55 feet, and is treated by a reverse osmosis system.

**Procedures for Public Comment:**

The Notice of the Division's intent to issue a permit authorizing the facility to operate, subject to the conditions contained within the permit, is being sent to the **Mason Valley News** and the **Reno Gazette Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit may do so in writing for a period of 30 days following the date of the public notice. All comments regarding this permit must be received or postmarked by **5:00 PM on July 18, 2005**. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

**Proposed Determination**

The Division has made the tentative determination to reissue the proposed permit for a period of five (5) years.

**Proposed Effluent Limitations, Monitoring Requirements, and Schedule of Compliance**

The discharge to the evaporative pond system shall be limited and monitored according to the following table:

**Table I.1  
Discharge Limitations and Monitoring Requirements**

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	30-Day Average	Daily Maximum	Outfall Sample Location	Measurement Frequency	Sample Type
Flow (gpd)	10,000	14,000	001	Continuous	Meter
pH (Standard Units)	Monitor & Report		001, 002 003	Quarterly Annually	Discrete Composite
Total Dissolved Solids (mg/l)	Monitor & Report		001, 002 003	Quarterly Annually	Discrete Composite
Volatile Organic Compounds (µg/l) EPA Method 8260B	Monitor & Report		003	Annually	Composite
Oil & Grease (mg/l)	Monitor & Report		001, 002	Quarterly	Discrete

**GROUNDWATER MONITORING:**

The up-gradient monitoring well #1 and the proposed new monitoring well down-gradient of the lined pond system shall be limited and monitored according to the table below.

**Table I.2  
Groundwater Monitoring Requirements**

PARAMETER	REQUIREMENTS	FREQUENCY	SAMPLE TYPE
Depth to Groundwater (feet)	Monitor & Report	Quarterly	Field Measurement
Groundwater Elevation (feet AMSL)	Monitor & Report	Quarterly	Calculate
Volatile Organic Compounds (µg/l) EPA Method 8260B	Monitor & Report	Quarterly	Discrete
Total Dissolved Solids (mg/l)	Monitor & Report	Quarterly	Discrete

**Schedule of Compliance**

The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance any additions or modifications that the Administrator may make in approving the schedule of compliance.

The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.

**Rationale for Permit Requirements**

The design of this facility meets the State's zero discharge standard of performance. No discharge of fluids or wastes is allowed at the facility. Ground water monitoring is required to confirm that contaminants have not entered the waters of the State.

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